OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: ,US/09/900,590A

DATE: 01/03/2002 TIME: 11:31:32

RECEIVED

Input Set : N:\Crf3\RULE60\09900590A.raw Output Set: N:\CRF3\01032002\I900590A.raw

APR 0 1 2002

				SEQUENCE LISTING	TECH CENTER 1600/2900
				NFORMATION:	TECH CENTER 1000/2900
	5	(i)	APPL	ICANT: Huse, William D.	
	6			Glaser, Scott M.	
	8	(11)	TITL	E OF INVENTION: Anti-Alpha V Beta 3 Recombinant Hu	ıman - Cama and Mathada of
	9			Antibodies, Nucleic Acids Encoding	g same and methods of
Use	11	/iii	MITME	ED OF CEOUENCES. 100	
	11 13			ER OF SEQUENCES: 100 ESPONDENCE ADDRESS:	
	14	(14)		ADDRESSEE: Campbell & Flores LLP	
	15			CORDEROR A270 to Tollo Willows Drive Cuito 700	
	16			CITY: San Diego	
	17			STATE: California	CRFU
	18			COUNTRY: United States	
	19			ZIP: 92122	ERED
	21	(37)		UTER READABLE FORM:	
	22	(•)		MEDIUM TYPE: Floppy disk	
	23			COMPUTER: IBM PC compatible	
	24			OPERATING SYSTEM: PC-DOS/MS-DOS	
	25			SOFTWARE: PatentIn Release #1.0, Version #1.25	
	27	(vi)		ENT APPLICATION DATA:	
C>		(++)		APPLICATION NUMBER: US/09/900,590A	
C>				FILING DATE: 06-Jul-2001	
•	30			CIACCIPICATION.	
	32	(vii)		R APPLICATION DATA:	RECEIVED
	33	(,,,,		APPLICATION NUMBER: 09/016,061	SECEIVED
	34			FILING DATE:	
	36	(viii)		RNEY/AGENT INFORMATION:	APR 0 1 2002
	37	, , , ,			MI II -
	38			REGISTRATION NUMBER: 31,815	-21 OF NITER 1600/2900
	39			REFERENCE/DOCKET NUMBER: P-IX 2965	CH CENTER 1600/2900
	41	(ix)		COMMUNICATION INFORMATION:	
	42		(A)	TELEPHONE: (619) 535-9001	
	43		(B)	TELEFAX: (619) 535-8949	
	46	(2) INFOR	RMATI	ON FOR SEQ ID NO: 1:	
	48	(i)	SEQU	ENCE CHARACTERISTICS:	
	49			LENGTH: 351 base pairs	
	50		(B)	TYPE: nucleic acid	
	51			STRANDEDNESS: both	·
	52		(D)	TOPOLOGY: linear	
	55	(ix)	FEAT	URE:	
	56		(A)	NAME/KEY: CDS	
	57		. ,	LOCATION: 1351	
	60			ENCE DESCRIPTION: SEQ ID NO: 1:	
	62	CAG GTG C	CAG C	IG GTG GAG TCT GGG GGA GGC GTT GTG CAG CCT GGA AGG	48

63 Gln Val Gln Leu Val Glu Ser Gly Gly Val Val Gln Pro Gly Arg

66 TCC CTG AGA CTC TCC TGT GCA GCC TCT GGA TTC ACC TTC AGT AGC TAT

96

RAW SEQUENCE LISTING DATE: 01/03/2002
PATENT APPLICATION: US/09/900,590A TIME: 11:31:32

Input Set : N:\Crf3\RULE60\09900590A.raw
Output Set: N:\CRF3\01032002\1900590A.raw

68	Ser	Leu	Arg	Leu 20	Ser	Cys	Ala	Ala	Ser 25	Gly	Phe	Thr	Phe	Ser 30	Ser	Tyr	
	GAC	አጥር	ጥርጥ		ርጥጥ	CCC	CAG	CCT		GGC	λAC	ССТ	CTG		TGG	GTC	144
	Asp																111
72	ирь	1100	35	111	Vu.	my	OIII	40	110	OLY	цуз	OLY	45	014	115	TUI	
	GCA	ΔΔΔ		ልርጥ	ΔСТ	ССТ	сст		AGC	ACC	ሞል <i>ሮ</i>	ጥልጥ		GAC	ΔСТ	GTG	192
	Ala																1,72
76	AIU	50	vui	DCL	DCI	O L J	55	O L y	DCI	1111	- 1 -	60	Leu	1105		, u.	
	CAG		CGA	ጥጥር	ACC	АТС		AGA	GAC	ААТ	AGT		AAC	ACC	СТА	TAC	240
	Gln																2.0
80	65	O ₁	231.9	1 110	1111	70	001	9	op	21011	75	1,5	11011		шен	80	
	CTG	CAA	ATG	AAC	тст		AGA	GCC	GAG	GAC		GCC	GTG	тат	TAC		288
	Leu																200
84	11Cu	0111	1100	11011	85	LCu	**** 9	III u	Olu	90		*****	, u	- 1 -	95	O _I B	
-	GCA	AGA	САТ	אאכ		GGC	AGT	ጥጥጥ	GCT		TGG	GGC	CAA	GGG		ACA	336
	Ala																
88	1144	-11-9	1110	100	-1-	011	001	1110	105	-1-		07	U	110			
	GTG	ACT	GTT		AGT				105								351
	Val																
92			115		001												
95	(2)	INFO		ION	FOR	SEO	ID N	10: 2	:								
97	(-,					-											
	97 (i) SEQUENCE CHARACTERISTICS: 98 (A) LENGTH: 117 amino acids																
99			•	•													
	99 (B) TYPE: amino acid 100 (D) TOPOLOGY: linear																
102		/ i i															
		1 1 1	L) MC	DECU	ILE 1	'YPE:	pro	oteir	l								
104			-				_	tein ON:		ID N	10: 2	2 :					
	Į.	(xi) SE	QUEN	ICE E	ESCF	RIPTI	ON:	SEQ				. Glr	n Pro	o Gly	/ Arg	
	l 5 Gln	(xi Val) SE	QUEN	ICE E	ESCF Glu	RIPTI	ON:	SEQ		Val		. Glr	n Pro	o Gly 15	/ Arg	
100	l 5 Gln 7 1	(xi Val	l) SE L Glr	EQUEN Leu	ICE E Val	ESCF Glu	RIPTI Ser	ON: Gly	SEQ Gly	Gly 10	Val	. Val			15	_	
100	l GGln Gln GSer	(xi Val	l) SE L Glr	EQUEN Leu	ICE E Val 5 Ser	ESCF Glu	RIPTI Ser	ON: Gly	SEQ Gly	Gly 10 Gly	Val	. Val			15 Ser	5	
100 107 109 110	l 5 Gln 7 1 9 Ser	(xi Val	i) SE Glr i Arg	QUEN Leu Leu 20	ICE E Val 5 Ser	ESCF Glu Glu Cys	RIPTI Ser Ala	ON: Gly	SEQ Gly Ser 25	Gly 10 Gly	Val Phe	. Val	: Phe	Ser 30	15 Ser	5	
100 107 109 110	Gln Gln Gln Ser Asp	(xi Val	i) SE Glr i Arg	QUEN Leu Leu 20 Trp	ICE E Val 5 Ser	ESCF Glu Glu Cys	RIPTI Ser Ala	ON: Gly	SEQ Gly Ser 25	Gly 10 Gly	Val Phe	. Val	: Phe	Ser 30 1 Glu	15 Ser	Tyr	
100 100 100 110 112 113	Gln Gln Gln Ser Ser	(xi Val Leu Met	l) SE Clr Arg Ser 35	QUEN Leu Leu 20	ICE E Val Ser Val	ESCF Glu Cys	RIPTI Ser Ala	ON: Gly Ala Ala 40	SEQ Gly Ser 25	Gly 10 Gly Gly Gly	Val Phe	Val Thi	Phe Leu 45	Ser 30 Glu	15 Ser) Trp	Tyr	
100 100 100 110 112 113	Gln	(xi Val Leu Met	Ser Ser Ser Ser Ser Ser	QUEN Leu Leu 20	ICE E Val Ser Val	ESCF Glu Cys	RIPTI Ser Ala	ON: Gly Ala Ala 40 Gly	SEQ Gly Ser 25	Gly 10 Gly Gly Gly	Val Phe	Val Thi	Phe Leu 45	Ser 30 Glu	15 Ser) Trp	Tyr	
106 107 109 110 113 115 116	Gln	(xi Val Leu Met	SE Glr Arg Ser 35 Val	QUEN Leu 20 Trp	ICE I Val Ser Val	DESCE Glu Cys Arg	RIPTI Ser Ala Glr Gly 55	CON: Gly Ala Ala 40 Gly	SEQ Gly Ser 25 Pro	Gly 10 Gly Gly Gly Thr	Val Phe Lys	Value This Gly	Phe Leu 45 Leu	e Ser 30 1 Glu 5	15 Ser Trp	Tyr	
106 107 109 110 113 115 116	Gold Gold Gold Gold Gold Gold Gold Gold	(xi Val Leu Met Lys 50 Gly	SE Glr Arg Ser 35 Val	QUEN Leu 20 Trp	ICE I Val Ser Val	DESCE Glu Cys Arg	RIPTI Ser Ala Glr Gly 55	CON: Gly Ala Ala 40 Gly	SEQ Gly Ser 25 Pro	Gly 10 Gly Gly Gly Thr	Val Phe Lys	Thr Gly Tyr 60	Phe Leu 45 Leu	e Ser 30 1 Glu 5	15 Ser Trp	Tyr Val	
106 107 116 113 115 116 118	1	(xi Val Leu Met Lys 50 Gly	SE Glr Arg Ser 35 Val	QUEN Leu 20 Trp Ser	Val Ser Val Ser	Cys Arg Gly Gly Tle	RIPTI Ser Ala Glr Gly 55 Ser	ON: Gly Ala Ala 40 Gly Arg	SEQ Gly Ser 25 Pro Ser Asp	Gly Gly Gly Gly Thr	Val Phe Lys Tyr Ser	Valle This Gly Gly Government of the Control of the	Phe Leu 45 Leu Asr	Ser 30 Glu Glu Asp	15 Ser Trp Thr	Tyr Val Val	
106 107 110 112 113 116 118 123 123	1	(xi Val Leu Met Lys 50 Gly	Ser Ser 35s Val	Leu Leu 20 Trp Ser Phe	Val Ser Val Ser Thr	CESCF Glu Cys Arg Gly Ile 70	RIPTI Ser Ala Glr Gly 55 Ser Ser	ON: Gly Ala Ala 40 Gly Arg	SEQ Gly Ser 25 Pro Ser Asp	Gly Gly Gly Gly Thr Asn Asp	Val Phe Lys Tyr 75 Thr	Third Tyr 60 Character Lys Ala	Leu 45 Leu Asn Val	Ser 30 Glu Glu Asp Thr	15 Ser Ser Trp Thr Thr Leu Tyr	Tyr Val Val Tyr 80 Cys	
106 107 110 112 113 116 118 123 123	1	(xi Val Leu Met Lys 50 Gly	Ser Ser 35s Val	Leu Leu 20 Trp Ser Phe	Val Ser Val Ser Thr	CESCF Glu Cys Arg Gly Ile 70	RIPTI Ser Ala Glr Gly 55 Ser Ser	ON: Gly Ala Ala 40 Gly Arg	SEQ Gly Ser 25 Pro Ser Asp	Gly Gly Gly Gly Thr Asn Asp	Val Phe Lys Tyr 75 Thr	Third Tyr 60 Character Lys Ala	Leu 45 Leu Asn Val	Ser 30 Glu Glu Asp Thr	15 Ser Ser Trp Thr Thr Leu Tyr	Tyr Val Tyr 80	
106 107 110 112 113 116 118 123 123	1	(xi Val Leu Met Lys 50 Gly	Ser Ser 35s Val	Leu Leu 20 Trp Ser Phe	Val Ser Val Ser Thr Ser 85	CESCF Glu Cys Arg Gly Ile 70	RIPTI Ser Ala Glr Gly 55 Ser Ser	ON: Gly Ala Ala 40 Gly Arg	SEQ Gly Ser 25 Pro Ser Asp	Gly Gly Gly Gly Asn Asp 90 Tyr	Val Phe Lys Tyr 75 Thr	Third Tyr 60 Character Lys Ala	Leu 45 Leu Asn Val	Ser 30 Glu Glu Asp Thr	15 Ser Ser Thr Thr Leu Tyr 95	Tyr Val Val Tyr 80 Cys	
106 107 110 113 113 116 118 122 124 125 127	1	(xi Val Leu Met Lys 50 Gly Gln Arg	Ser	Leu 20 Trp Ser Phe Asn 100	Val Ser Val Ser Thr Ser Tyr	ESCF Glu Cys Arg Gly Ile 70 Leu	RIPTI Ser Ala Glr Gly 55 Ser Ser	ON: Gly Ala Ala 40 Gly Arg	SEQ Gly Ser 25 Pro Ser Asp Glu	Gly Gly Gly Gly Asn Asp 90 Tyr	Val Phe Lys Tyr 75 Thr	Third Tyr 60 Character Lys Ala	Leu 45 Leu Asn Val	Ser 30 Glui Glui Asp Thr Tyr Gly	15 Ser Ser Thr Thr Leu Tyr 95	Tyr Val Val Tyr 80 Cys	
100 103 110 112 113 115 116 118 123 124 125 127 128	1	(xi Val Leu Met Lys 50 Gly Gln Arg	Ser	Leu 20 Trp Ser Asn 100 Ser	Val Ser Val Ser Thr Ser Tyr	ESCF Glu Cys Arg Gly Ile 70 Leu	RIPTI Ser Ala Glr Gly 55 Ser Arg	ON: Gly Ala Ala 40 Gly Arg Ala	SEQ Gly Ser 25 Pro Ser Asp Glu Ala 105	Gly Gly Gly Gly Asn Asp 90 Tyr	Val Phe Lys Tyr 75 Thr	Third Tyr 60 Character Lys Ala	Leu 45 Leu Asn Val	Ser 30 Glui Glui Asp Thr Tyr Gly	15 Ser Ser Thr Thr Leu Tyr 95	Tyr Val Val Tyr 80 Cys	
100 100 110 111 113 115 116 112 121 122 124 125 127 128 130	1	(xi Val Leu Met Lys 50 Gly Gln Arg	Ser	Leu 20 Trp Ser Asn 100 Ser	Value of Val	ESCF Glu Cys Arg Gly Ile 70 Leu	RIPTI Ser Ala Glr 55 Ser Arg Ser	ON: Gly Ala Ala 40 Gly Arg Ala Phe	SEQ Gly Ser 25 Pro Ser Asp Glu Ala 105	Gly Gly Gly Gly Asn Asp 90 Tyr	Val Phe Lys Tyr 75 Thr	Third Tyr 60 Character Lys Ala	Leu 45 Leu Asn Val	Ser 30 Glui Glui Asp Thr Tyr Gly	15 Ser Ser Thr Thr Leu Tyr 95	Tyr Val Val Tyr 80 Cys	
100 100 110 112 113 115 116 118 122 124 125 127 128 130 132	1	(xi Val Leu Met Lys 50 Gly Gln Arg	Ser	Leu 20 Trp Ser Asn 100 Ser	Value of Val	ESCF Glu Cys Arg Gly Leu Gly	RIPTI Ser Ala Glr Gly 55 Ser Arg	ON: Gly Ala Ala A0 Gly Arg Ala Phe	SEQ Gly Ser 25 Pro Ser Asp Glu Ala 105	Gly Gly Gly Gly Asn Asp 90	Val Phe Lys Tyr 75 Thr	Third Tyr 60 Character Lys Ala	Leu 45 Leu Asn Val	Ser 30 Glui Glui Asp Thr Tyr Gly	15 Ser Ser Thr Thr Leu Tyr 95	Tyr Val Val Tyr 80 Cys	
100 107 110 112 113 115 116 118 127 127 128 130 132 133	1	(xi Val Leu Met Lys 50 Gly Gln Arg	Ser	Leu Leu 20 Trp Ser Asn 100 Ser TION	Value of Val	ESCF Glu Cys Arg Gly Ile 70 Leu Gly SEQ	RIPTI Ser Ala Glr Gly 55 Ser Arg The Ser	ON: Gly Ala Ala Ala Gly Arg Ala Phe NO: ISTI	SEQ Gly Ser 25 Pro Ser Asp Glu Ala 105 3: CS: pair	Gly Gly Gly Gly Asn Asp 90	Val Phe Lys Tyr 75 Thr	Third Tyr 60 Character Lys Ala	Leu 45 Leu Asn Val	Ser 30 Glui Glui Asp Thr Tyr Gly	15 Ser Ser Thr Thr Leu Tyr 95	Tyr Val Val Tyr 80 Cys	
100 107 110 112 113 115 116 118 127 127 128 130 132 133 134	1	(xi Val Leu Met Lys 50 Gly Gln Arg	Ser	CQUENT Leur 200 Trp Ser Asn 100 Ser CTION CQUENT A) L	Value of Service of Se	ESCF Glu Cys Arg Gly Leu Gly SEQ HARA H: 3	RIPTI Ser Ala Glr Glr 55 Ser Arg LArg LO CTER 21 beleic	ON: Gly Ala	SEQ Gly Ser 25 Pro Ser Asp Glu Ala 105 3: CS: pair d	Gly Gly Gly Gly Asn Asp 90	Val Phe Lys Tyr 75 Thr	Third Tyr 60 Character Lys Ala	Leu 45 Leu Asn Val	Ser 30 Glui Glui Asp Thr Tyr Gly	15 Ser Ser Thr Thr Leu Tyr 95	Tyr Val Val Tyr 80 Cys	
100 107 110 112 113 115 116 118 127 127 128 130 132 133	1	(xi Val Leu Met Lys 50 Gly Gln Arg	Ser	CQUENT Leur 200 Trp Ser Asn 100 Ser CTION CQUENT A) L	CE CE CE CE CE CE TRAN	ESCF Glu Cys Arg Gly Ile 70 Leu Gly SEQ HARA H: 3 nuc	Ala Ser Glr Glr 55 Ser Arg	ON: Gly Ala	SEQ Gly Ser 25 Pro Ser Asp Glu Ala 105 3: CS: pair d	Gly Gly Gly Gly Asn Asp 90	Val Phe Lys Tyr 75 Thr	Third Tyr 60 Character Lys Ala	Leu 45 Leu Asn Val	Ser 30 Glui Glui Asp Thr Tyr Gly	15 Ser Ser Thr Thr Leu Tyr 95	Tyr Val Val Tyr 80 Cys	

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Input Set : N:\Crf3\RULE60\09900590A.raw
Output Set: N:\CRF3\01032002\I900590A.raw

139		(ix) FE	ATURI	€: •													
140																		
141																		
144		(xi) SE(QUEN	CE DI	ESCR:	IPTI(: NC	SEQ :	ID NO	D: 3	:						
146	GAG	ATT	GTG	CTA	ACT	CAG	TCT	CCA	GCC	ACC	CTG	TCT	CTC	AGC	CCA	GGA		48
147	Glu	Ile	Val	Leu	Thr	Gln	Ser	Pro	Ala	Thr	Leu	Ser	Leu	Ser	Pro	Gly		
148	1				5					10					15			
150	GAA	AGG	GCG	ACT	CTT	TCC	TGC	CAG	GCC	AGC	CAA	AGT	ATT	AGC	AAC	CAC		96
151	Glu	Arg	Ala	Thr	Leu	Ser	Cys	Gln	Ala	Ser	Gln	Ser	Ile	Ser	Asn	His		
152				20					25					30				
154	CTA	CAC	TGG	TAT	CAA	CAA	AGG	CCT	GGT	CAA	GCC	CCA	AGG	CTT	CTC	ATC		144
155	Leu	His	Trp	Tyr	Gln	Gln	Arg	Pro	Gly	Gln	Ala	Pro	Arg	Leu	Leu	Ile		
156			35					40					45					
158	AAG	TAT	CGT	TCC	CAG	TCC	ATC	TCT	GGG	ATC	CCC	GCC	AGG	TTC	AGT	GGC		192
159	Lys	Tyr	Arg	Ser	Gln	Ser	Ile	Ser	Gly	Ile	Pro	Ala	Arg	Phe	Ser	Gly		
160		50					55					60						
162	AGT	GGA	TCA	GGG	ACA	GAT	TTC	ACC	CTC	ACT	ATC	TCC	AGT	CTG	GAG	CCT		240
163	Ser	Gly	Ser	Gly	Thr	Asp	Phe	Thr	Leu	Thr	Ile	Ser	Ser	Leu	Glu	Pro		
	65	_		_		70					75					80		
166	GAA	GAT	TTT	GCA	GTC	TAT	TAC	TGT	CAA	CAG	AGT	GGC	AGC	TGG	CCT	CAC		288
															Pro			
168		_			85	_	_	_		90		-			95			
170	ACG	TTC	GGA	GGG	GGG	ACC	AAG	GTG	GAA	ATT	AAG							321
171	Thr	Phe	Gly	Gly	Gly	Thr	Lys	Val	Glu	Ile	Lys							
172			_	100	_				105									
175	(2)	INFO	ORMAT	CION	FOR	SEQ	ID 1	NO: 4	1:									
177		(i)) SEQ	QUENC	CE CE	HARA	TER.	ISTIC	CS:									
178			(Z	A) LI	ENGTE	H: 10)7 ar	nino	acio	ds								
179			(E	3) TY	PE:	amir	no a	cid										
180			(1) T	POLO	OGY:	line	ear										
182		(ii)	MOI	LECUI	E TY	PE:	prot	tein										
184		(xi)) SEQ	QUENC	CE DE	ESCR	PTI	ON: S	SEQ I	D NO): 4:	:						
186	Glu	Ile	Val	Leu	Thr	Gln	Ser	Pro	Ala	Thr	Leu	Ser	Leu	Ser	Pro	Gly		
187	1				5					10					15			
189	Glu	Arg	Ala	Thr	Leu	Ser	Cys	Gln	Ala	Ser	Gln	Ser	Ile	Ser	Asn	His		
190				20					25					30				
192	Leu	His	Trp	Tyr	Gln	Gln	Arg	Pro	Gly	Gln	Ala	Pro	Arg	Leu	Leu	Ile		
193			35					40					45					
								Ser	Gly	Ile	Pro	Ala	Arg	Phe	Ser	Gly		
196		50					55					60						
198	Ser	Gly	Ser	Gly	Thr	Asp	Phe	Thr	Leu	Thr	Ile	Ser	Ser	Leu	Glu	Pro		
199	65					70					75					80		
201	Glu	Asp	Phe	Ala	Val	Tyr	Tyr	Cys	Gln	Gln	Ser	Gly	Ser	${\tt Trp}$	Pro	His		
202					85					90					95			
204	Thr	Phe	Gly	Gly	Gly	Thr	Lys	Val	Glu	Ile	Lys							
205				100					105									
	(2)	INFO	RMAT	NOI	FOR	SEQ	ID N	10: 5	5 :									
209		(i)	SEC								-							
210			(A) LE	ENGTH	I: 35	1 ba	se p	pairs	3								

RAW SEQUENCE LISTING DATE: 01/03/2002 PATENT APPLICATION: US/09/900,590A TIME: 11:31:32

Input Set : N:\Crf3\RULE60\09900590A.raw
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211 (B) TYPE: nucleic acid																		
212	· ·																	
213																		
216	, ,																	
217																		
218	8 (B) LOCATION: 1351																	
221		(xi) SE	QUENC	CE DI	ESCR	IPTI	ON:	SEQ :	ID N	D: 5	:						
223	GAA	GTG	CAG	CTG	GTG	GAG	TCT	GGG	GGA	GGC	TTA	GTG	AAG	CCT	GGA	AGG	4	8
224	Glu	Val	Gln	Leu	Val	Glu	Ser	Gly	Gly	Gly	Leu	Val	Lys	Pro	Gly	Arg		
225	1				5					10					15			
			AGA														9	6
	Ser	Leu	Arg		Ser	Cys	Ala	Ala	Ser	Gly	Phe	Ala	Phe		Ser	Tyr		
229				20					25					30				_
			TCT														14	4
	Asp	Met	Ser	Trp	Val	Arg	Gln		Pro	GLu	Lys	Arg		Giu	Trp	Val		
233			35					40					45			a.m.a	10	_
			GTT														19	2
		_	Val	Ser	Ser	GLY		GIY	Ser	Thr	Tyr		Leu	Asp	Thr	vai		
237		50	a a.	mma			55 mag	3.03	03.0	3 3 173	000	60	330	3.00	CITE 3	ma c	24	Λ
			CGA														24	U
		GIĄ	Arg	Pile	THE	70	ser	AIG	ASP	ASII	75	гуу	ASII	1111	цец	80		
241		~ ∧ ∧	ATG	A C C	አረጥ		አአሮ	חיריתי	CAC	CAC		ccc	አጥር	ጥልጥ	ጥል ሮ		28	A
			Met														20	•
245	Беи	GIII	Mec	Ser	85	пеа	nsu	561	GIU	90	1111	ALG	ricc	1 7 1	95	Cys		
	GCA	AGA	CAT	AAC		GGC	AGT	ጥጥጥ	GCT		TGG	GGC	CAA	GGG		CTG	33	6
			His															
249		5		100	-1-	1			105	-1-		2		110				
	GTC	ACT	GTC	TCT	GCA												35	1
252	Val	Thr	Val	Ser	Ala													
253			115															
256	(2)	INF	ORMAT	NOI	FOR	SEQ	ID I	NO:	5:									
258		(i)) SEC	QUENC	CE CE	IARAC	CTER:	ISTI	CS:									
259			(Z	A) LI	ENGTE	I: 13	17 ar	nino	acio	ls								
260			(E	3) TY	PE:	amir	no ac	cid										
2,61			-) T(
263) MOI				_											
265	_		SEC										_	_		_		
		Val	Gln	Leu	_	Glu	Ser	Gly	Gly		Leu	Val	Lys	Pro		Arg		
268	_ 1	_	_	_	5	_				10			D1.	~	15			
	Ser	Leu	Arg		Ser	Cys	Ala	Ala	_	GIA	Pne	Ala	Pne	_	ser	Tyr		
271	•	17. L	a	20	77	3	01 =	T1 -	25	a 1	T	3	T 0	30	m~~	17- 1		
	ASP	мес	Ser	тгр	vaı	Arg	GIII		PIO	GIU	гуѕ	ALG		Giu	ттр	Val		
274	בות	T. 77.0	35 Val	Sor	Ser.	G1v	Gl v	40 Glw	Ser	Thr	ጥኒንን	ጥ፣፣	45 Leu	Δen	Thr	Va 1		
276	нта	ьуs 50	vai	ser.	Ser	сту	55	ату	SET	TIIT	тХт	60	пeп	vah	7 117	YUL		
	Gln		Arg	Pho	Thr	Tle		Ara	Asn	Agn	Ala		Asn	Thr	Len	Tvr		
280	65	G L y	лту	1116	T	70	J = 1.	*** 9	P		75	-15				80		
		Gln	Met	Ser	Ser		Asn	Ser	Glu	Asp		Ala	Met	Tvr	Tvr			
202	عات ند	J_11	2200	JUL	JUL	u		-						-1-	-1-	J, D		

RAW SEQUENCE LISTING DATE: 01/03/2002 PATENT APPLICATION: US/09/900,590A TIME: 11:31:32

Input Set : N:\Crf3\RULE60\09900590A.raw
Output Set: N:\CRF3\01032002\I900590A.raw

283					85					90					95		
	Ala	Arq	His	Asn	Tyr	Gly	Ser	Phe	Ala	Tyr	Trp	Gly	Gln	Gly	Thr	Leu	
286				100	•	•			105	_	-	_		110			
288	Val.	Thr	Val	Ser	Ala												
289			115												,		
291	(2)	INFO	ORMA'	TION	FOR	SEO	ID!	NO:	7:								
293	()	(i) SEQUENCE CHARACTERISTICS:															
294		•							pairs	5							
295				в) Т <u>ч</u>													
296				c) s:													
297			•	D) T(
300		(ix)		ATURI													
301		\		A) NZ		KEY:	CDS										
302				B) LO				321									
305		(xi							SEQ :	ID N	o: 7						
	GAT												GTG	ACA	CCA	GGA	48
	Asp																
309	1		,		5					10					15	-	
	GAT	AGC	GTC	AGT	_	TCC	TGC	CAG	GCC		CAA	AGT	АТТ	AGC		CAC	96
	Asp																
313	1101	001	,	20	200	001	010		25		02			30			
	CTA	CAC	TGG		CAA	CAA	AAA	TCA		GAG	тст	CCA	AGG		CTC	ATC	144
	Leu																
317	LCu		35	-1-	01	·	<i>-10</i>	40					45				
	AAG	тат		ייירר	CAG	ፐርር	ATC		GGG	ATC	CCC	TCC		ттс	AGT	GGC	192
	Lys																
321	<i>D</i> ₁ <i>O</i>	50	**** 9	501	01	001	55		0-1			60	5			1	
	AGT		тса	GGG	ACA	GAT		GCT	СТС	AGT	АТС		AGT	GTG	GAG	ACT	240
	Ser																
325		011	DCI	01		70					75					80	
	GAA	GAT	ጥጥጥ	GGA	ATG		TTC	TGT	CAA	CAG		GGC	AGC	TGG	CCT		288
	Glu																
329	01			0-1	85	-1-		-1-		90		1			95		
	ACG	TTC	GGA	GGG		ACC	AAG	CTG	GAA		AAG						321
	Thr																
333			1	100	2				105		- 4						
	(2)	INFO	RMAT		FOR	SEO	ID 1	10: 8									
338	(-,			QUENC													
339		(-)		-					acid	is							
340				3) TY													
341) TO													
343		(ii)	•	LECUI													
345									SEQ]	D NO): 8:						
	Asp												Val	Thr	Pro	Gly	
348	1				5	-				10				_	15	4	
	Asp	Ser	Va]	Ser	_	Ser	Cvs	Gln	Ala		Gln	Ser	Ile	Ser		His	
351				20			-1-		25					30			
	Leu	His	Tro	-	Gln	Gln	Lys	Ser		Glu	Ser	Pro	Arq		Leu	Ile	
354			_	- 7 -			-1-2	40					45				

VERIFICATION SUMMARY

DATE: 01/03/2002

PATENT APPLICATION: US/09/900,590A

TIME: 11:31:33

Input Set : N:\Crf3\RULE60\09900590A.raw
Output Set: N:\CRF3\01032002\I900590A.raw

L:28 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]

L:29 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]

L:737 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 L:773 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32